

EXHIBIT H

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H-5926

Hepcidin-25 (human)

H-Asp-Thr-His-Phe-Pro-Ile-Cys-Ile-Phe-Cys-Cys-Gly-Cys-Cys-His-Arg-Ser-Lys-Cys-Gly-Met-Cys-Cys-Lys-Thr-OH

(Disulfide bonds between Cys⁷ and Cys²³/Cys¹⁰ and Cys¹³/Cys¹¹ and Cys¹⁹/Cys¹⁴ and Cys²²)

Trifluoroacetate salt

Links / Documents:

[Peptide Calculator](#)
[ADS](#)
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[Brochures:](#)
[Antimicrobial Peptides](#)

H-5926.0100	0.1 mg	\$190.00	1	Buy	Favorites
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Item Number 4040671

One Letter Code DTHFPICIFCCGCHRSKCGMCCKT

Synonyms

LEAP-1 (human), Hepc25 (human), Liver-Expressed Antimicrobial Peptide (human), PLTR (human),

Putative Liver Tumor Regressor (human)

Molecular Formula C₁₁₃H₁₇₀N₃₄O₃₁S₈ Relative Molecular Mass 2789.40

CAS Registry Number [342790-21-0] net

Source Synthetic

Storage Conditions -20 ± 5 °C

Keywords

Principal iron-regulatory hormone; Antimicrobial peptide

Description

Hepcidin-25 (hepatic bactericidal protein), also referred to as LEAP-1 (liver-expressed antimicrobial peptide) has been independently discovered by two groups in human blood ultrafiltrate and urine. The peptide which is predominantly expressed in the liver, belongs to a new vertebrate family of small antimicrobial peptides that contain 8 cysteine residues and show significant antibacterial and antifungal activity. Further investigations revealed that hepcidin is the principal iron-regulatory hormone in humans. It acts by binding to the iron exporter ferroportin, inducing its internalization and degradation, thereby blocking cellular iron efflux. Nemeth et al. demonstrated that the N-terminal part of the peptide hormone is essential for its activity.

References

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Areas of Interest

Antimicrobial & Antiviral Peptides, Hematology